ISIS - Feature #4556

Upgrade OpenCV usage (i.e., findfeatures) in ISIS to version 3

2016-12-07 03:13 PM - Kris Becker

Status:	In Progress		
Priority:	High		
Assignee:	Kristin Berry		
Category:	API		
Target version:	3.5.0 (FY17 R1 2017-01-25 Jan)		
Impact:	The findfeatures application has different feature matching algorithms available to use (everything in OpenCV3.) No impacts outside of the findfeatures application.	**Software Version:**	

Description

We will be upgrading ISIS to use OpenCV version 3. This is not a trivial matter as much of the functionality provided in OpenCV version 2 of the Feature2D module, which findfeatures relied heavily upon, has been removed. Primarily, the setting/getting of algorithm parameters has been removed in version 3. See http://docs.opencv.org/trunk/db/dfa/tutorial_transition_guide.html for information regarding upgrades to version 3 of OpenCV.

There are new detector algorithms and some of the old ones may not have made the transition. The documentation will be upgraded to reflect the results of this work.

References/Links:
http://docs.opencv.org/3.1.0/   - OpenCV 3 API Reference
http://docs.opencv.org/2.4.13/ - OpenCV 2 API Reference

History

#1 - 2016-12-23 02:47 PM - Kris Becker

- Assignee set to Kristin Berry

#2 - 2016-12-23 03:06 PM - Kristin Berry

- Status changed from New to In Progress

#3 - 2016-12-23 05:28 PM - Kristin Berry

- Impact updated

#4 - 2016-12-23 05:30 PM - Kristin Berry

- Impact updated